

CLAIMS

1. A transmission belt comprising:

a contact face contacting with a pulley so that said

5 transmission belt is wound around said pulley, and

foreign matter embedded near said contact face in said
transmission belt;

said contact face being worn by said pulley when said
transmission belt rotates around said pulley, so that said
10 foreign matter is exposed at said contact face so as to warn
of a decrease in the transmission power of said transmission
belt on said pulley.

2. A transmission belt according to claim 1, wherein said
foreign matter contacting said pulley makes a warning sound to
15 warn of a decrease in the transmission power.

3. A transmission belt according to claim 1, wherein said
foreign matter is softer than said pulley.

4. A transmission belt according to claim 1, wherein a
longitudinal direction of said foreign matter is direction
20 perpendicular to said contact face.

5. A transmission belt according to claim 4, wherein a width
of said foreign matter becomes narrower as said foreign matter
approaches said contact face.

6. A transmission belt according to claim 1, wherein a
25 plurality of pieces of said foreign matter are embedded in said

transmission belt,

a distance between said contact face and at least one piece of said foreign matter being different from a distance between said contact face and other pieces of said foreign matter.

5 7. A transmission belt according to claim 1, wherein said foreign matter is given a color, which is different from a color of other parts of said transmission belt.

8. A transmission belt according to claim 1, wherein said foreign matter contacts said pulley whereby a warning sound
10 having a specific frequency is generated.

9. A transmission belt comprising:

a belt body, which is made of a predetermined material, having a certain thickness, and

foreign matter, which is made of a different material from
15 said predetermined material, embedded in said belt body;

a distance from said foreign matter to a first surface of said belt body in the thickness direction being shorter than a distance from said foreign matter to a second surface of said belt body in the thickness direction.

20 10. An indication apparatus for indicating the end of life of a transmission belt, comprising:

a pulley,

a transmission belt that is wound around said pulley having;

a contact face contacting said pulley so that said
25 transmission belt is wound around said pulley, and

foreign matter embedded near said contact face in said transmission belt;

said contact face being worn by said pulley when said transmission belt rotates around said pulley, so that said
5 foreign matter is exposed at said contact face whereby said foreign matter contacting said pulley makes a specific sound,

a sound sensor, which detects said specific sound, set up near where said transmission belt contacts said pulley; and

a warning apparatus which sends out a warning according
10 to said specific sound detected by said sound sensor.

11. An indication apparatus according to claim 10, wherein said foreign matter contacting said pulley at a predetermined cycle makes a specific sound appear at said predetermined cycle when said transmission belt rotates at a predetermined speed.

15 12. An indication apparatus according to claim 11, wherein said warning apparatus sends out a warning when said specific sound appears at said predetermined cycle.